

## Schedule for Assumptions and Estimates Specified In the California Water Code Section 10004.6 For Current Conditions

Water Code Section	Description	Statewide Information Regional Information on Regional Reports Webpage <a href="http://www.waterplan10.water.ca.gov/regions">www.waterplan10.water.ca.gov/regions</a>			Completion Date
10004.6. (c).	The department shall release, at a minimum, assumptions and other estimates relating to all of the following:	<b>1998</b>	<b>2000</b>	<b>2001</b>	
10004.6. (c) (1).	<b>Basin hydrology:</b>				Phase 1 – April 2005 Water Portfolio Data for 1998, 2000, 2001  (with some data gaps)
	Annual rainfall	329.6 maf	187.7 maf	139.2 maf	
	Unimpaired runoff i	31.4+10.4 = 41.8 maf	18.9+5.9 = 24.8 maf	19.2+4.9 = 24.1 maf	
	Depletions ii	55.6 maf	39.9 maf	25.8 maf	
10004.6. (c) (2).	Consumptive uses iii	25.8 maf	28.6 maf	28.2 maf	
	<b>Groundwater suppliesiv:</b>				Phase 1 – April 2005 Public Review Draft  (using available data)
	Sustainable yield estimates	U/A <sup>v</sup>	U/A	U/A	
	Overdraft recovery needs vi (annual GW deficit is shown)	1-2 maf	4-5 maf	9-10 maf	
10004.6. (c) (3).	Supplies lost to groundwater pollution	U/A			Phase 3 – Work on data gaps for next Update
	<b>Current land use patterns vii:</b>				Phase 1 – April 2005 Public Review Draft  (using available data)
	Residential	U/A			
	Commercial				
	Industrial				
	Agricultural viiii (Irrigated crop acreage)	8.9 million acres	9.0 million acres	8.7 million acres	Phase 3 – Work on data gaps for the next update.
	Undeveloped lands	U/A			
10004.6. (c) (4).	<b>Environmental water needs:</b>				Phase 1 – April 2005 Public Review Draft  (using available data)
	Regulated instream flow requirements ix	6.9 maf	7.5 maf	6.9 maf	
	Nonregulated instream flows	U/A			
	Wetlands and refuge needs x	1.4 maf	1.5 maf	1.3 maf	Phase 3 – Work on data gaps for the next update
	Managed natural resource lands	U/A			
	Unmanaged natural resource lands				

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		1998	2000	2001	
10004.6. (c) (5).	Current population <sup>xi</sup> :	32.9 million	34.1 million	34.8 million	Phase 1 – April 2005 Public Review Draft
10004.6. (c) (6).	Current urban water needs <sup>xii</sup> :				Phase 1 – April 2005 Public Review Draft
	Interior uses, single family dwelling	1.7 maf	2.1 maf	2.0 maf	(using available data)
	Exterior uses, single family dwelling	1.7 maf	1.9 maf	1.9 maf	
	Multifamily dwelling, all uses	1.4 maf	1.5 maf	1.5 maf	
	Industrial water uses	1.3 maf	1.6 maf	1.6 maf	
		Parks & open space uses	0.5 maf	0.6 maf	0.6 maf
10004.6. (c) (7).	On-farm applied water	0.6 maf	0.7 maf	0.6 maf	Phase 1 – April 2005 Public Review Draft
	Evapotranspiration rates for major crop types	24.1 maf	31.1 maf	31.2 maf	(using available data)
	Evaporative losses by irrigation practice	06 – 5.1 acre-ft/acre	0.6 – 5.3acre-ft/acre	0.4 – 5.2 acre-ft/acre	Phase 3–Work on data gaps for the next update.
	Evaporation impact on transpiration	U/A			
10004.6. (c) (8).	Adoption of agricultural conservation practices <sup>xiii</sup> .	U/A			Phase 1 – April 2005 Public Review Draft (Narrative on Agricultural Water Use Efficiency)
					Phase 3–Work on data gaps for the next Update
10004.6. (c) (8).	Adoption of urban conservation practices.	See footnote 13			Phase 1 – April 2005 Public Review Draft (Narrative on Urban Water Use Efficiency)
					Phase 3–Work on data gaps for the next update
10004.6. (c) (9).	Water supplies from water recycling and reuse (municipal) <sup>xiv</sup>	11.5 maf	8.4 maf	5.7 maf	Phase 1 – April 2005 Public Review Draft
					(using available data)
					Phase 3–Work on data gaps for the next update.

For Projected Conditions					
Water Code Section	Description	Scenario 1 Current Trends	Scenario 2 Less Resource Intensive	Scenario 3 More Resource Intensive	Completion Date
10004.6. (c).	The department shall release, at a minimum, assumptions and other estimates relating to all of the following:	Preliminary estimate of additional 2030 urban, agricultural and environmental water demands for these scenarios			Phase 1 – April 2005 Public Review Draft (Scenario 1 with available data)  Phase 3 – Dec. 2008 (new studies for all scenarios)
10004.6. (c) (3).	<b>Projected land use patterns</b>				Phase 2 – Dec. 2005 (Select input data, analytical tools and assumptions)
	Residential	U/A			
	Commercial	U/A			Phase 3 – Dec. 2008 (new studies for all scenarios and responses for the next update).
	Industrial	U/A			
	Agricultural (irrigated crop acreage)	9.0 million acres	9.5 million acres	9.5 million acres	
	Undeveloped lands	U/A	U/A	U/A	
10004.6. (c) (5).	<b>Projected population</b> <sup>xv</sup>	48.1 million	48.1 million	52.3 million	Phase 1 – April 2005 Public Review Draft
10004.6. (c) (6).	<b>Projected urban water needs</b> <sup>xvi</sup>	11.9 maf	10.3 maf	14.7 maf	Phase 2 – Dec. 2005 (Select input data, analytical tools and assumptions)
	Interior uses, single family dwelling	U/A			Phase 3 – Dec. 2008 (new studies for all scenarios and responses for the next update)
	Exterior uses, single family dwelling	U/A			
	Multifamily dwelling, all uses	U/A			
	Commercial water uses	U/A			
	Parks & open space uses	U/A			
10004.6. (c) (8).	<b>Adoption of agricultural conservation practices.</b> <sup>xvii</sup>	All cost effective EWMPs in existing MOUs implemented by current signatories	All cost effective EWMPs in existing MOUs implemented by current signatories	All cost effective EWMPs in existing MOUs implemented by current signatories	Phase 2 – Dec. 2005 Update Agricultural Water Use Efficiency potential estimates using information from CALFED WUE Program & other studies)
10004.6. (c) (8).	<b>Adoption of urban conservation practices.</b> <sup>xviii</sup>	All cost effective BMPs in existing MOUs by current signatories	All cost effective BMPs in existing MOUs by current signatories	All cost effective BMPs in existing MOUs by current signatories	Phase 2 – Dec. 2005 Update Urban Water Use Efficiency potential estimates using information from CALFED WUE Program & other studies)
10004.6. (c) (9).	<b>Water supplies from water recycling and reuse (municipal)</b> <sup>xix</sup>				Phase 3 – Dec. 2008 (Include in management responses for new studies)

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**Table Footnotes**

U/A – Information Unavailable.

<sup>i</sup> From Eight River Index

<sup>ii</sup> DWR, Statewide Water Balance Summary, Total Outflows to Salt Sink, Evaporation, and Irrecoverable Losses

<sup>iii</sup> DWR, Statewide Water Portfolio, Evapotranspiration of Applied Water from Agricultural, Urban and Managed Wetlands Uses, including Ag Effective Precipitation

<sup>iv</sup> Estimates of Sustainable Yield and Supplies Lost to Groundwater Pollution are not available due to the number of variables and complexity of making such estimates

<sup>v</sup> Information is Unavailable

<sup>vi</sup> DWR, Statewide Water Balance Summary, Estimates are shown for annual groundwater deficit by year. Whereas, overdraft is a long-term measure currently estimated at between 1 maf and 2 maf per year statewide (Bulletin 118-03)

<sup>vii</sup> Land Use Patterns Statewide have not been compiled except for land in irrigated agricultural

<sup>viii</sup> Compiled by DWR staff from Land Use Surveys and Reports from County Agricultural Commissioners

<sup>ix</sup> DWR, Statewide Flow Diagrams, Total Required Instream Flows including flows returned to supply

<sup>x</sup> DWR, Statewide Water Portfolio, Managed Wetlands Applied Water

<sup>xi</sup> Department of Finance Projections

<sup>xii</sup> DWR, Statewide Water Portfolio. Commercial use includes both industrial and commercial uses

<sup>xiii</sup> DWR is not planning to develop information on which specific agricultural conservation practices are being used or to what level they are being adopted. Instead, DWR plans to ensure that the on-farm irrigation efficiencies, which are required to develop water use, are justifiable and agreed upon by the experts in the field. These irrigation efficiencies are an indicator of the level of water management, or conservation practices, being used.

<sup>xiv</sup> Includes reuse by all sectors.

<sup>xv</sup> Department of Finance projections – May 2004

<sup>xvi</sup> To be developed in Phases 2 & 3 as data are available

<sup>xvii</sup> To be developed in Phases 2 & 3 as data are available

<sup>xviii</sup> To be developed in Phases 2 & 3 as data are available

<sup>xix</sup> Developed from Water Portfolio data received from DWR Districts